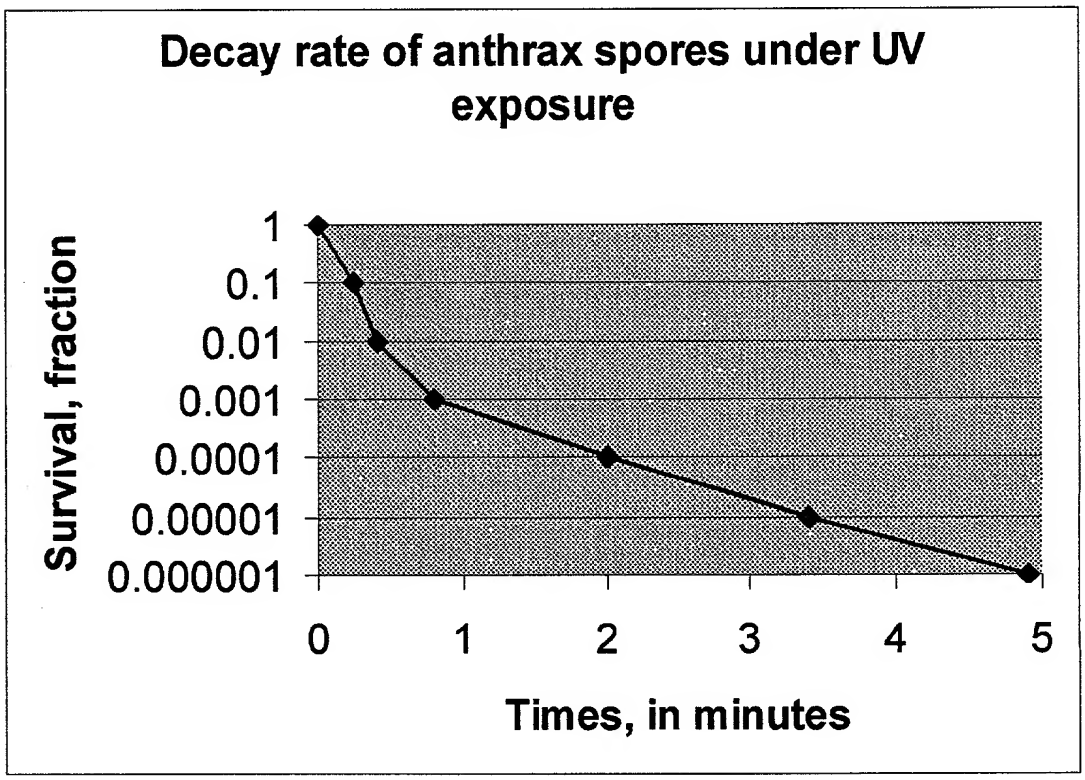
During the disinfection process, the average surface intensity will be at least 4690 $\mu W/Cm^2$ (see table 3). The time to sterilize mail contaminated with anthrax spores is estimated to be five (5) minutes or less (see figure 1).

Table 3

Average Surface Intensity - Horizontal Plane

Overhead lamps	2304	$\mu W/Cm^2$
Side lamps	158	$\mu W/Cm^2$
Total planar intensity	2462	$\mu W/Cm^2$
Reflective intensity at 65%	2228	$\mu W/Cm^2$
Total planar intensity at surface 65% reflectivity	4690	$\mu W/Cm^2$

Figure 1



CLAIMS

What is claimed is:

1. A method for destroying pathogens and spores such as Bacillius anthracis (anthrax bacteria) and Bacillius magaterium sp. (anthrax spores) in a chamber having a set of wall and a ceiling panel, comprising mounting ultraviolet lights, located in parallel about a center point were mail pieces will be placed for disinfection.

2. The method of claim 1, wherein the wall/ceiling/floor surfaces are painted with aluminum or paneled with reflectant material.

3. The method of claim 1, wherein 18 fixtures, each containing 4 lamps putting out 13.8 watts of C-band ultraviolet light energy each, located 1 meter (39.3 inches) in parallel about a center were mail will be placed for disinfection.

4. The method of claim 1, wherein during the disinfection process, the average surface intensity will be at least 4690 $\mu W/Cm^2$, sterilizing mail contaminated with anthrax spores within five (5) minutes or less.